

Title (en)

OFDM SIGNAL PROCESSING METHOD AND APPARATUS IN A (H)IBOC RECEIVER

Title (de)

OFDM-SIGNALVERARBEITUNGSVERFAHREN UND VORRICHTUNG IN EINEM (H)IBOC-EMPÄNGER

Title (fr)

APPAREIL ET PROCÉDÉ DE TRAITEMENT DE SIGNAUX OFDM DANS UN RÉCEPTEUR (H)IBOC

Publication

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Application

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Priority

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Abstract (en)

The invention provides a reception method and apparatus which provides a series of frequency shifts and filtering operations to sideband signals (lower, and upper) of a received (H)IBOC OFDM signal, to enable detection if the central part of the OFDM signal is analogue or digital, and to enable effective co-channel interference compensation. The invention enables (H)IBOC signals for example to be processed with a narrower bandwidth and therefore lower processing clock speed and complexity are made possible compared to conventional (H)IBOC-signal processing approach.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (applicant)

- US 6259893 B1 20010710 - KROEGER BRIAN WILLIAM [US], et al
- BAND/ON-CHANNEL DIGITAL RADIO BROADCASTING STANDARD, September 2011 (2011-09-01)
- HD RADIOTM AIR INTERFACE DESIGN DESCRIPTION LAYER 1 FM, 23 August 2011 (2011-08-23)
- TRANSMISSION SIGNAL QUALITY METRICS FOR FM IBOC SIGNALS, 24 August 2011 (2011-08-24)

Citation (search report)

[IA] US 2012328057 A1 20121227 - KROEGER BRIAN W [US], et al

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